according to Regulation (EC) No. 1907/2006

ARALDITE® AW 134

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1.3	06.05.2022	400001009735	Date of first issue: 17.05.2018
1.5	00.03.2022	400001003733	Date of first issue. 17.03.2010

Print Date 23.04.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier	
Trade name	: ARALDITE® AW 134
Unique Formula Identifier (UFI)	: GYM9-G0WD-200H-45WY
1.2 Relevant identified uses of	the substance or mixture and uses advised against
Use of the Substance/Mixture	: Epoxy constituents

1.3 Details of the supplier of the safety data sheet

Company Address	 Huntsman Advanced Materials (Europe)BVBA Everslaan 45 3078 Everberg
Telephone Telefax	Belgium : +41 61 299 20 41 : +41 61 299 20 40
E-mail address of person responsible for the SDS	: Global_Product_EHS_AdMat@huntsman.com

1.4 Emergency telephone number

· Lineigency telephone number			
Emergency telephone number	:	Centres Antipoison et de Toxicovigilance: ANGERS: 02 41 48 21 21 BORDEAUX: 05 56 96 40 80 LILLE: 0 825 812 822 LYON: 04 72 11 69 11 MARSEILLE 04 91 75 25 25 NANCY: 03 83 32 36 36 PARIS: 01 40 05 48 48 RENNES: 02 99 59 22 22 STRASBOURG: 03 88 37 37 37 TOULOUSE: 05 61 77 74 47 EUROPE: $+32$ 35 75 1234 France ORFILA: $+33(0)145425959$ ASIA: $+65$ 6336-6011 China: $+86$ 20 39377888 +86 532 83889090 India: $+$ 91 22 42 87 5333 Australia: 1800 786 152 New Zealand: 0800 767 437 USA: $+1/800/424.9300$	



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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)				
H315: Causes skin irritation.				
H319: Causes serious eye irritation.				
H317: May cause an allergic skin reaction.				
H411: Toxic to aquatic life with long lasting effects.				

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word	:	Warning	
Hazard statements	:	H315 H317 H319 H411	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention: P261 P264 P273 P280 Response:	Avoid breathing mist or vapours. Wash skin thoroughly after handling. Avoid release to the environment. Wear protective gloves/ eye protection/ face protection.
		P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
		P391	Collect spillage.

Hazardous components which must be listed on the label:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

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Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concent ration (% w/w)
2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxir ane	v	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411 specific concentration limit Skin Irrit. 2; H315 >= 5 % Eye Irrit. 2; H319 >= 5 %	>= 50 - < 70

For explanation of abbreviations see section 16.

Both 25068-38-6 and 1675-54-3 can be used to describe the epoxy resin which is produced through the reaction of bisphenol A and epichlorohydrin

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection and use the recommended protective clothing If potential for exposure exists refer to Section 8 for specific personal protective equipment. Avoid inhalation, ingestion and contact with skin and eyes. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	:	If skin irritation persists, call a physician.



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In case	of eye contact	:	Remove contact le Keep eye wide op	ove clothes. eye(s) with plenty of water. enses.
If swallowed		:	Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.	

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: Treat symptomatically
-----------	-------------------------

SECTION 5: Firefighting measures

5.1	Extinguishing media				
	Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical		
	Unsuitable extinguishing media	:	Exercise caution when using a high volume water jet as it may scatter and spread fire		
5.2	Special hazards arising from	the	substance or mixture		
	Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.		
	Hazardous combustion products	:	Carbon oxides Halogenated compounds		
53	5.3 Advice for firefighters				
	Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.		
	Specific extinguishing methods	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
	Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.		



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.
6.2 Environmental precautions		
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
		Keep in suitable, closed containers for disposal.

respective authorities.

6.4 Reference to other sections

For disposal considerations see section 13., See Section 1 for emergency contact information., For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage	:	Keep container tightly closed in a dry and well-ventilated
areas and containers		place. Containers which are opened must be carefully
		resealed and kept upright to prevent leakage. Keep in properly
		labelled containers.



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Ad	vice on common storage	:	For incompatible SDS.	materials please refer to Section 10 of this
	commended storage nperature	:	2 - 40 °C	
	rther information on rage stability	:	Stable under nor	nal conditions.
	cific end use(s) ecific use(s)	:	No data available	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
2,2'-[(1- methylethylidene)bis(4,1- phenyleneoxymethyle ne)]bisoxirane	Workers	Inhalation	Long-term systemic effects	4,93 mg/m3
	Workers	Dermal	Long-term systemic effects	0,75 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	0,87 mg/m3
	Consumers	Dermal	Long-term systemic effects	0,0893 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	0,5 mg/kg bw/day
barium sulfate	Workers	Inhalation	Long-term systemic effects	10 mg/m3
	Workers	Inhalation	Long-term local effects	10 mg/m3
	Consumer use	Inhalation	Long-term systemic effects	10 mg/m3
	Consumer use	Oral	Long-term systemic effects	13000 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxira ne	Fresh water	0,006 mg/l
	Marine water	0,001 mg/l
	Fresh water sediment	0,341 mg/kg dry weight (d.w.)
	Marine sediment	0,034 mg/kg dry

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		weight (d.w.)
	Soil	0,065 mg/kg dry weight (d.w.)
	Sewage treatment plant	10 mg/l
	Secondary Poisoning	11 mg/kg
barium sulfate	Fresh water	115 μg/l
	Sewage treatment plant	62,2 mg/l
	Remarks: Assessment Factors	
	Fresh water sediment	600,4 mg/kg
	Remarks: Assessment Factors	
	Soil	207,7 mg/kg
	Remarks:Assessment Factors	

8.2 Exposure controls

Personal protective equipment				
Eye protection	:	Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.		
Hand protection Material Break through time		butyl-rubber > 8 h		
Material Break through time	:	Nitrile rubber 10 - 480 min		
Material Break through time	:	Neoprene gloves 10 - 480 min		
Remarks	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. The suitability for a specific workplace should be discussed with the producers of the protective gloves.		
Skin and body protection	:	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.		
Respiratory protection	:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines Equipment should conform to EN 14387		
Filter type	:	Combined particulates and organic vapour type (A-P)		

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

: liquid



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Co	blour	: wł	nite			
00	dour	: sli	ght			
00	dour Threshold	: No	No data is available on the product itself.			
p⊦	ł		a. 6 (25 °C) oncentration: 5	500 g/l		
M	elting point/freezing point	: No	No data is available on the product itself.			
Bo	biling point	: >:	200 °C			
Fla	ash point		149 °C ethod: Pensky	/-Martens closed cup		
Fla	ammability (solid, gas)	: No	o data is availa	able on the product itself.		
	oper explosion limit / Upper mmability limit	: No	o data is availa	able on the product itself.		
	wer explosion limit / Lower mmability limit	: No	o data is availa	able on the product itself.		
Va	apour pressure	: No	o data is availa	able on the product itself.		
Re	Relative vapour density		No data is available on the product itself.			
Re	elative density	: 1,4	4			
De	ensity	: No	o data is availa	able on the product itself.		
	blubility(ies) Water solubility	: pr	actically insolu	uble (20 °C)		
	Solubility in other solvents	: No	o data is availa	able on the product itself.		
	artition coefficient: n- tanol/water	: No	o data is availa	able on the product itself.		
Αι	ito-ignition temperature	: No	o data is availa	able on the product itself.		
De	ecomposition temperature	: >:	200 °C			
Vi	scosity Viscosity, dynamic	: 20) - 40 Pas (25	°C)		

9.2 Other information

No data available

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SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : None known.

10.6 Hazardous decomposition products

Hazardous decomposition	: carbon dioxide
products	carbon monoxide
	Halogenated compounds

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	
Components:	
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:
Acute oral toxicity	 LD50 (Rat, female): > 2 000 mg/kg Method: OECD Test Guideline 420 Assessment: The substance or mixture has no acute oral toxicity Remarks: No mortality observed at this dose.
Acute dermal toxicity	 LD50 (Rat, male and female): > 2 000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Species	:	Rabbit
Exposure time	:	4 h
Assessment	:	Irritating to skin.
Method	:	OECD Test Guideline 404
Result	:	Irritating to skin.



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Serious eye damage/eye irritation

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Species	:	Rabbit
Assessment	:	Irritating to eyes.
Method	:	OECD Test Guideline 405
Result	:	Irritating to eyes.

Respiratory or skin sensitisation

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Test Type :	Local lymph node assay (LLNA)
Exposure routes :	Skin
Species :	Mouse
Method :	OECD Test Guideline 429
Result :	The product is a skin sensitiser, sub-category 1B.

Germ cell mutagenicity

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Genotoxicity in vitro :	Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Metabolic activation: without metabolic activation Result: positive	
	Test Type: reverse mutation assay Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay) Result: negative	
Genotoxicity in vivo :	Test Type: in vivo assay Species: Mouse (male) Cell type: Germ Application Route: Oral Dose: 3333, 10000 mg/kg Result: negative	
	Test Type: gene mutation test Species: Rat (male) Cell type: Somatic Application Route: Oral Dose: 50,250,500,1000 mg/kg bw/day Method: OECD Test Guideline 488 Result: negative	

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Carcinogenicity

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Species Application Route Exposure time Dose Frequency of Treatment NOAEL Method Result Target Organs	 Rat, male Oral 24 month(s) 0, 2, 15, or 100 mg/kg bw/day 7 days/week 15 mg/kg bw/day OECD Test Guideline 453 negative Digestive organs
Species Application Route Exposure time Dose Frequency of Treatment NOEL Method Result Target Organs	 Mouse, male Dermal 24 month(s) 0, 0.1, 10, 100 mg/kg bw/day 3 days/week 0,1 mg/kg body weight OECD Test Guideline 453 negative Digestive organs
Species Application Route Exposure time Dose Frequency of Treatment NOEL Method Result	 Rat, female Dermal 24 month(s) 0.1, 100, 1000 mg/kg bw/day 5 days/week 100 mg/kg body weight OECD Test Guideline 453 negative
Species Application Route Exposure time Dose Frequency of Treatment NOAEL Method Result Target Organs	 Rat, female Oral 24 month(s) 0, 2, 15, or 100 mg/kg bw/day 7 days/week 100 mg/kg bw/day OECD Test Guideline 453 negative Digestive organs
Species Application Route Exposure time Dose Frequency of Treatment NOEL Method Result Target Organs	 Rat, females Oral 24 month(s) 0, 2, 15, or 100 mg/kg bw/day 7 days/week 2 mg/kg bw/day OECD Test Guideline 453 negative Digestive organs

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Reproductive toxicity

Effects on fertility	<pre>bis(4,1-phenyleneoxymethylene)]bisoxirane:</pre>
	Species: Rat, male and female Application Route: Oral Dose: 0, 50, 180, 540 or 750 milligram per kilogram Duration of Single Treatment: 238 d Frequency of Treatment: 1 daily General Toxicity - Parent: NOEL: 540 mg/kg body weight General Toxicity F1: NOEL: 750 mg/kg body weight Symptoms: No adverse effects Method: OECD Test Guideline 416 Result: No effects on fertility and early embryonic development were detected.
Effects on foetal development	 Species: Rabbit, female Application Route: Dermal Dose: 0, 30, 100 or 300 milligram per kilogram Duration of Single Treatment: 28 d Frequency of Treatment: 1 daily General Toxicity Maternal: NOAEL: 30 mg/kg body weight Developmental Toxicity: NOAEL: 300 mg/kg body weight Method: Other guidelines Result: No teratogenic effects
	Test Type: Pre-natal Species: Rabbit, female Application Route: Oral Dose: 0, 20, 60 or 180 milligram per kilogram Duration of Single Treatment: 13 d Frequency of Treatment: 1 daily General Toxicity Maternal: NOAEL: 60 mg/kg body weight Developmental Toxicity: NOAEL: 180 mg/kg body weight Method: OECD Test Guideline 414 Result: No teratogenic effects
	Test Type: Pre-natal Species: Rat, female Application Route: Oral Dose: 0, 60, 180 and 540 milligram per kilogram Duration of Single Treatment: 10 d Frequency of Treatment: 1 daily General Toxicity Maternal: NOAEL: 180 mg/kg body weigh Developmental Toxicity: NOAEL: > 540 mg/kg body weigh Method: OECD Test Guideline 414 Result: No teratogenic effects

STOT - repeated exposure No data available

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Repeated dose toxicity

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

	• •	
Species	:	Rat, male and female
NOAEL	:	50 mg/kg
Application Route	:	oral (gavage)
Exposure time	:	14 Weeks
Number of exposures		7 d
Dose	:	0, 50, 250, 1000 mg/kg/day
Method	:	OECD Test Guideline 408
Method	·	OECD Test Guideline 408
Species		Rat, male and female
NOAEL	:	
	•	>= 10 mg/kg
Application Route		Skin contact
Exposure time	:	13 Weeks
Number of exposures	:	5 d
Dose	:	0, 10, 100, 1000 mg/kg/day
Method	:	OECD Test Guideline 411
Species	:	Mouse, male
NOAEL	:	100 mg/kg
Application Route	:	Skin contact
Exposure time	:	13 Weeks
Number of exposures	:	3 d
Dose	:	0, 1, 10, 100 mg/kg/day
Method		OECD Test Guideline 411
mourou	•	

Aspiration toxicity

No data available

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

Experience with human exposure

No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information

No data available

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SECTION 12: Ecological information

12.1 Toxicity

Components:		
2,2'-[(1-methylethylidene)bis(4	4,1	-phenyleneoxymethylene)]bisoxirane:
Toxicity to fish :	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l
		Exposure time: 96 h
		Method: OECD Test Guideline 203
Toxicity to daphnia and other :	:	EC50 (Daphnia magna (Water flea)): 1,8 mg/l
aquatic invertebrates	•	Exposure time: 48 h
		Test Type: static test
		Test substance: Fresh water
		Method: OECD Test Guideline 202
Toxicity to algae/aquatic :	:	EC50 : 11 mg/l
plants		Exposure time: 72 h
		Test Type: static test
		Test substance: Fresh water
		Method: EPA-660/3-75-009
		NOEC : 4,2 mg/l
		Exposure time: 72 h
		Test Type: static test
		Test substance: Fresh water
		Method: EPA-660/3-75-009
Toxicity to microorganisms :	:	IC50 (activated sludge): > 100 mg/l
,		Exposure time: 3 h
		Test Type: static test
		Test substance: Fresh water
Toxicity to daphnia and other :	:	NOEC: 0,3 mg/l
aquatic invertebrates		Exposure time: 21 d
(Chronic toxicity)		Species: Daphnia magna (Water flea)
		Test Type: semi-static test
		Test substance: Fresh water
		Method: OECD Test Guideline 211
Ecotoxicology Assessment		
Chronic aquatic toxicity :	:	Toxic to aquatic life with long lasting effects.
2 Persistence and degradability	v	
<u>Components:</u>	,	
-	4 1	-phenyleneoxymethylene)]bisoxirane:
Biodegradability :	· · · ·	Test Type: aerobic
biouegradability .	•	Inoculum: activated sludge, non-adapted
		moodam. dollvalod blago, non adapted

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		Exposure time: Method: OECD	28 d) Test Guideline 301F
Stabi	ity in water	pH: 4	alf life (DT50): 4,83 d (25 °C) 9 Test Guideline 111 h water
		pH: 9	alf life (DT50): 7,1 d (25 °C)) Test Guideline 111 h water
		pH: 7	alf life (DT50): 3,58 d (25 °C) 9 Test Guideline 111 h water
12.3 Bioa	ccumulative potentia	al	
	oonents:		

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Bioaccumulation	:	Bioconcentration factor (BCF): 31 Remarks: Does not bioaccumulate.
Partition coefficient: n- octanol/water	:	log Pow: 3,242 (25 °C) pH: 7,1 Method: OECD Test Guideline 117

12.4 Mobility in soil

Components:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane:

Distribution among : Koc: 445 environmental compartments

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment	: The substance/mixture does not contain components considered to have endocrine disrupting properties according
	to REACH Article 57(f) or Commission Delegated regulation
	(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at
	levels of 0.1% or higher

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12.7 Other adverse effects

Product:

Additional ecological	: An environmental hazard cannot be excluded in the event of
information	unprofessional handling or disposal.
	Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Product	 Dispose of contents and container in accordance with all local, regional, national and international regulations. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number or ID number

ADN	:	UN 3082
ADR	:	UN 3082
RID	:	UN 3082
IMDG	:	UN 3082
ΙΑΤΑ	:	UN 3082
14.2 UN proper shipping name		
ADN	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN)
ADR	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN)
RID	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN)
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN)
ΙΑΤΑ	:	Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A EPOXY RESIN)
14.3 Transport hazard class(es)		



according to Regulation (EC) No. 1907/2006

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ADR		: 9	
RID		: 9	
IMDO	6	: 9	
ΙΑΤΑ		: 9	
4.4 Pack	king group		
ADN			
	ing group	:	
	sification Code and Identification Number	: M6 : 90	
Labe		: 9	
ADR			
	ing group	:	
	sification Code	: M6 : 90	
Labe	ls	: 9	
	el restriction code	: (-)	
RID	ing group	: 111	
Class	ing group sification Code	: M6	
Haza	rd Identification Number	: 90	
Labe		: 9	
IMDC Book		: 111	
Labe	ing group Is	: 9	
	Code	: F-A, S-F	
	(Cargo)		
Pack aircra	ing instruction (cargo	: 964	
	ing instruction (LQ)	: Y964	
Pack	ing group	: 111	
Labe		: Miscellaneous	
Pack	(Passenger) ing instruction	: 964	
	senger aircraft) ing instruction (LQ)	: Y964	
Pack	ing group	: 111	
Labe		: Miscellaneous	
	ronmental hazards		
ADN Envir	onmentally hazardous	: yes	
ADR Envir	onmentally hazardous	: yes	
RID Envir	onmentally hazardous	: yes	
IMDC Marir	3 ne pollutant	: yes	
Marir	ne pollutant	: yes	

according to Regulation (EC) No. 1907/2006

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IATA (Passenger)

Environmentally hazardous : yes IATA (Cargo)

Environmentally hazardous : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E2 ENVIRONMENTAL

HAZARDS

Occupational Illnesses (R- : 51 461-3, France)

Installations classified for the : 4511 protection of the environment (Environment Code R511-9)

Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

The components of this product are reported in the following inventories:		
DSL	: This product contains one or several components listed in the Canadian NDSL.	
AIIC	: On the inventory, or in compliance with the inventory	
NZIoC	: On the inventory, or in compliance with the inventory	

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ENCS		: On the invento	ry, or in compliance with the inventory	
KECI		: Not in compliance with the inventory		
PICCS		: Not in compliance with the inventory		
IECSC		: Notified. Allowed to be imported / manufactured only by the notifiers. Please contact your Huntsman sales representative for more information.		
TCSI		: On the invento	ry, or in compliance with the inventory	
TSCA		: All substances	listed as active on the TSCA inventory	

Inventories

AICS (Australia), AIIC (Australia), DSL (Canada), IECSC (China), ENCS (Japan), KECI (Korea), NZIOC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States of America (USA))

15.2 Chemical safety assessment

Chemical Safety Assessments for all substances in this product are either Complete or Not applicable.

SEC

ECTION 16: Other inform	nation	
Full text of H-Statement	5	
H315: Causes skin irritation.H317: May cause an allergic skin reaction.H319: Causes serious eye irritation.H411: Toxic to aquatic life with long lasting effects.		
Full text of other abbrev	iations	
Aquatic Chronic: Chronic aquatic toxicityEye Irrit.: Eye irritationSkin Irrit.: Skin irritationSkin Sens.: Skin sensitisation		
Further information		
Classification of the mix	ture:	Classification procedure:
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 2	H411	Calculation method
DS_FR-AM 4000010097	35	

according to Regulation (EC) No. 1907/2006

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THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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